

Please enter the examiner's Amendment as shown.
Thank you. Ro 10/23/2006

Application/Control Number: 10/530,173

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EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

Claim 18, line 3, change "and" to --or--.

Claim 19, line 3, after "claim 1," insert --or--; line 3, after "claim 14," insert --or--; line 4, change "and" to --or--.

Claim 20, line 3, after "claim 1," insert --or--; line 3, after "claim 14," insert --or--; line 4, after "claim 15," insert --or--; line 4, change "and" to --or--.

Examiner's remarks: These amendments are required in order to delete the multiple dependency.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bentsu Ro whose telephone number is 571 272-2072. The examiner can normally be reached on WS08605.

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10/23/2006


Bentsu Ro
Senior Examiner
Art Unit 2837

16. (original): A controlling apparatus wherein said apparatus has a speed controlling apparatus which feeds back the speed estimated on the basis of the speed estimating apparatus according to claim 15, to obtain a difference with respect to a speed command value, and implements a speed control so that the difference becomes zero.

17. (original): A controlling apparatus wherein said apparatus has a position controlling apparatus which feeds back a rotor position estimated value which is obtained on the basis of the magnetic pole position estimated by the apparatus for estimating a magnetic pole position according to claim 1, to obtain a difference with respect to a rotor position command value, and implements a position control so that the difference becomes zero.

18. (original): A controlling apparatus wherein said apparatus has a torque controlling apparatus for a motor comprising the apparatus for estimating a magnetic pole position according to claim 1, ^{or} and the current controlling apparatus according to claim 14. ←

19. (original): A controlling apparatus wherein said apparatus has a speed controlling apparatus for a motor comprising the apparatus for estimating a magnetic pole position according to claim 1, ^{or} the current controlling apparatus according to claim 14, ^{or} the speed estimating apparatus according to claim 15, ^{or} and the speed controlling apparatus according to claim 16. ←

AMENDMENT UNDER 37 C.F.R. § 1.116
U.S. Patent Application No.: 10/530,173

Attorney Docket No.: Q87280

20. (original): A controlling apparatus wherein said apparatus has a position controlling apparatus for a motor comprising the apparatus for estimating a magnetic pole position according to claim 1, ^{or} the current controlling apparatus according to claim 14, ^{or} the speed estimating apparatus according to claim 15, ^{or} the speed controlling apparatus according to claim 16, ^{or} and the position controlling apparatus according to claim 17.

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